

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-021950**Date Inspected:** 14-Mar-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** ShangHai, China**CWI Name:** Sha Zhi**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

Summary of Items Observed: On this date Caltrans OSM Quality Assurance(QA) Inspector, DJ Shin was present during the times noted above for observations relative to the work being performed.

Bay 14

This QA Inspector observed the following work in progress for Bay 14.

ZPMC was using the Flux Core Arc Welding (FCAW) process.

ZPMC QC is identified as Zhu Lin.

Welding variables recorded by QC appeared to comply with the approved Welding Procedure Specifications (WPS). Listed below are the locations that were identified by this QA inspector.

Components: 13AW

PCMK: SEG3013N-097,100

Welder: 203871

WPS-B-T-2233-ESAB

PCMK: SEG3013Q-191,194

Welder: 067876

WPS-B-T-2233-ESAB

PCMK: SEG3013M-173,176

Welder: 066421

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WPS-B-T-2233-ESAB

Components: 13CW

PCMK: SEG3015B-006,007

Welder: 048433

WPS-B-T-2233-ESAB

PCMK: SA3232B-004,010,016

Welder: 215676

WPS-B-T-2232-ESAB

Components: 14W

PCMK: SEG3020W-148,149

Welder: 045175

WPS-B-T-2233-ESAB

PCMK: SEG3020C-082

Welder: 047866

WPS-B-T-2233-ESAB

PCMK: SEG3020K-347,348

Welder: 240730

WPS-B-T-2132-ESAB

PCMK: SEG3020K-346

Welder: 201215

WPS-B-T-2233-ESAB

This QA Inspector observed the following work in progress for Bay 14.

ZPMC was using the Shield Metal Arc Welding (SMAW) process.

ZPMC QC is identified as Zhu Lin.

Welding variables recorded by QC appeared to comply with the approved Welding Procedure Specification (WPS).

Listed below are the locations that were identified by this QA inspector

Components: 13AW

PCMK: SEG3013-012

Welder: 066038

WPS-B-P-2214-B-U3b-FCM

PCMK: SEG3013R-004,005

Welder: 037780

WPS-B-P-2214-B-U3b-FCM

PCMK: SEG3013E-225

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Welder: 047864

WPS-B-P-2213-B-U3b-FCM

PCMK: SEG3013J-006

Welder: 067993

WPS-B-P-2213-B-U3b-FCM-1

Components: 14W

PCMK: SEG3020S-023,024

Welder: 067829

WPS-B-P-2214-FCM-1

PCMK: SEG3020L-085

Welder: 045246

WPS-B-P-2212-TC-U4b-FCM-1

Components: Deck Panel

PCMK: SA3231D-056

Welder: 066459

WPS-B-P-2211-TC-U4b-FCM-1

This QA inspector performed Magnetic Particle Testing (MT) and Visual Inspection (VT) of approximately 15 % of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The member(s) is/are identified as follows; DP3172-001 on item number 1 of NWIT tracker document # 08545,

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No relevant conversations

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Shin,DJ	Quality Assurance Inspector
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Reviewed By:	Riley,Ken	QA Reviewer
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